

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 07/04/2018 10:51 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124519	-1	2.64	124659	2.61
Blue	F	SSC	125000	123054	-2	1.52	123735	1.51
Blue	E	FITC	15760	15376	-3	3.09	333	22.08
Blue	D	PE	25880	25323	-3	2.13	548	16.86
Blue	B	PerCP-Cy5-5	34075	33683	-2	4.32	1027	22.90
Blue	A	PE-Cy7	22776	22559	-1	7.54	541	45.41
Red	C	APC	42488	41517	-3	2.94	1564	13.65
Red	A	APC-Cy7	24478	24153	-2	3.13	827	13.34
Violet	B	V450	6304	6105	-4	4.08	337	17.83
Violet	A	V500	26005	25103	-4	3.69	584	13.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20650	9.95	608	11	N/A	N/A	Pass
Blue	F	SSC	55742	1.26	572	17	N/A	N/A	Pass
Blue	E	FITC	58	79.55	561	5	0.0179	362	Pass
Blue	D	PE	114	58.57	555	6	0.1314	319	Pass
Blue	B	PerCP-Cy5-5	194	57.36	655	8	0.0074	115	Pass
Blue	A	PE-Cy7	104	116.20	709	12	0.0093	36	Pass
Red	C	APC	371	27.83	601	1	0.0186	57	Pass
Red	A	APC-Cy7	202	28.95	574	3	0.0044	778	Pass
Violet	B	V450	54	86.26	491	2	0.0331	3342	Pass
Violet	A	V500	88	51.64	508	2	0.0132	1735	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.74	-30.49	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.42	13.60 - 20.40	N/A	N/A	30.75	30.95	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13375

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments